

INTERNATIONAL SEARCH REPORT

IB2004/051875

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/043699 A1 (AKIYAMA HAJIME) 18 April 2002 (2002-04-18) page 2, paragraph 28 page 5, paragraph 87 - page 6, paragraph 98 page 8, paragraph 136 - paragraph 142; figures 2-5,10,12	1-10
Y	US 4 614 959 A (NAKAGAWA KIYOTOSHI) 30 September 1986 (1986-09-30) the whole document	1-10
Y	US 6 127 703 A (SIMPSON MARK ET AL) 3 October 2000 (2000-10-03) cited in the application the whole document	1-10
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

22 December 2004

Date of mailing of the international search report

18/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 640 040 A (YAMAGUCHI YOSHIHIRO ET AL) 17 June 1997 (1997-06-17) column 16, line 50 - column 17, line 47; figures 24,25	1-10
Y	TERSHEMA T ET AL: "OVER 1000V N-CH LDMOSFET AND P-CH LIGBT WITH JI RESURF STRUCTURE AND MULTIPLE FLOATING FIELD PLATE" PROCEEDINGS OF THE 7TH. INTERNATIONAL SYMPOSIUM ON POWER SEMICONDUCTOR DEVICES AND IC'S. (ISPSD). YOKOHAMA, MAY 23 - 25, 1995, PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON POWER SEMICONDUCTOR DEVICES AND IC'S. (ISPSD), NEW YORK, IEEE, US, vol. SYMP. 7, 23 May 1995 (1995-05-23), pages 455-459, XP000594273 ISBN: 0-7803-2619-9 the whole document	1-10
Y	US 5 412 241 A (MERCHANT STEVEN L) 2 May 1995 (1995-05-02) cited in the application abstract; figure 1	1-10
A	HE J ET AL: "LINEARLY GRADED DOPING DRIFT REGION: A NOVEL LATERAL VOLTAGE-SUSTAINING LAYER USED FOR IMPROVEMENT OF RESURF LDMOS TRANSISTOR PERFORMANCES" SEMICONDUCTOR SCIENCE AND TECHNOLOGY, INSTITUTE OF PHYSICS. LONDON, GB, vol. 17, no. 7, July 2002 (2002-07), pages 721-728, XP001122706 ISSN: 0268-1242 the whole document	1-10
A	HUANG Y S ET AL: "Extension of RESURF principle to dielectrically isolated power devices" POWER SEMICONDUCTOR DEVICES AND ICS, 1991. ISPSD '91., PROCEEDINGS OF THE 3RD INTERNATIONAL SYMPOSIUM ON BALTIMORE, MD, USA 22-24 APRIL 1991, NEW YORK, NY, USA, IEEE, US, 22 April 1991 (1991-04-22), pages 27-30, XP010044308 ISBN: 0-7803-0009-2 the whole document	1-10
A	US 6 246 101 B1 (AKIYAMA HAJIME) 12 June 2001 (2001-06-12) cited in the application figures 51-56	1-10

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